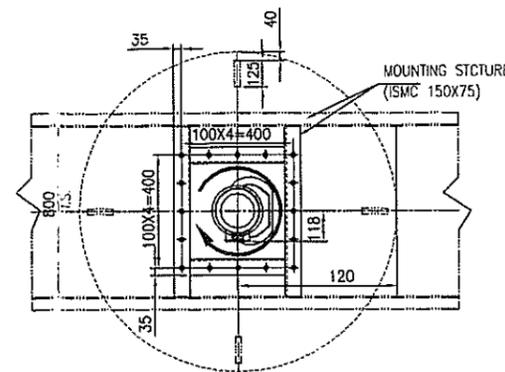
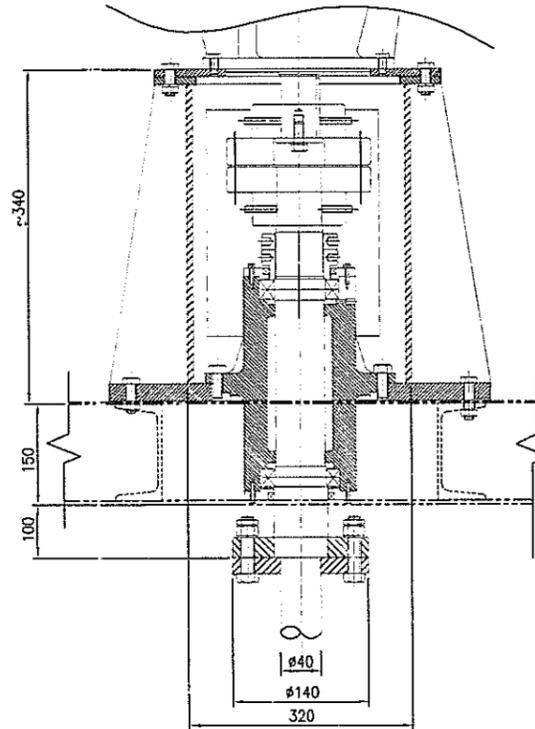


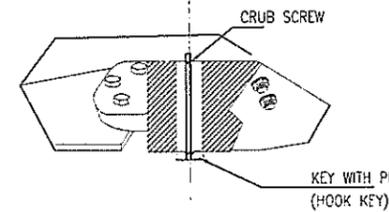
SECTIONAL ELEVATION



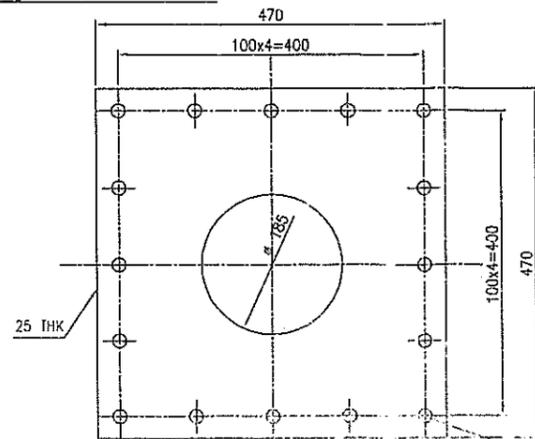
PLAN



DETAIL AT "P"



DETAIL AT 'X'



MOUNTING PLATE DETAIL

	① THIS IS NOT TO SCALE
MILLIMETRES	② DIMENSIONS ARE IN MM
SS : 304	③ MATERIAL - WETTED PARTS
	④ TANK BAFFLES
86	⑤ IMPELLER SPEED (REV/MIN)
3(A510 E32) 3(A510 E32)	NUMBERS OF BLADES (TYPE) UPPER IMPELLER : UPPER IMPELLER :
178	CRITICAL SPEED (REV/MIN)
NIL NIL	IMPELLER ADJUSTMENT UPPER IMPELLER : LOWER IMPELLER : (IMPELLER HUBS ARE KEYS TO SHAFT AND BLADES ARE BOLTED TO HUBS)
0.75kw 1410 80 415/3/50.	⑥ MOTOR-TEFC/1P55/VERTICAL FLANGE MOUNTED/STD SPEED (REV/MIN) FRAME RATING 9V/ph/Hz) CGL MAKE.
HELICAL	⑦ GEAR BOX : (BONFIGLIOLI) AS 30F/17.11:1/P80/V1
RB 144	⑧ FLEXIBLE COUPLING PIN & BUSH TYPE.
SS : 304	⑨ REMOVABLE COUPLING (LIGHTNIN DESIGN)
3.62 KN. 0.059 KNM. 0.106 KNM.	⑩ DESIGN DATA DOWN WARD LOAD TORQUE BENDING MOMENT DESIGN LOADS ARE GREATER THAN ACTUAL LOADS BY A SUITABLE FACTOR CONSISTENT WITH CONSTRUCTION CODES AND LIGHTNIN EXPERIENCE
116 N	FORCE ON EACH BAFFLE. FOR BAFFLE DESIGN CALCULATED LOAD TO BE CONSIDERED AS A POINT LOAD ACTING AT THE INNER EDGE OF THE BAFFLE OPPOSITE THE IMPELLER CENTER LINE. THE LOAD IS A LIVE LOAD & FLUCTUATING COMPONENT BE CONSIDERED TO BE ACTING ABOUT THE SAME POINT AS DETAILED ABOVE THE MAGNITUDE OF THIS FLUCTUATING COMPONENT IS TO BE CONSIDERED AS 50% OF THE CALCULATED LOAD
23 Kg. 17 Kg. 145 Kg. 185 Kg.	⑪ MIXER WEIGHT GEAR BOX MOTOR SHAFT/IMPELLER/COUPLING/LANTERN/BRG.HSG. TOTAL
299X135X05	⑫ DIMENSIONS OF BLADES A510 E22-φ690

DESCRIPTION	BRG.NO.	QTY.	BRG.MAKE
TAPER ROLLER BEARING	32010X	2NOS.	SKF

MIXER QTY. - 02 NOS.

ALL DIMENSIONS ARE IN MM

- NOTES :
1. AGITATOR MOUNTING FASTENERS & GASKETS IN UCIL SCOPE.
 2. MINIMUM OPENING REQUIRED IS 200MM TO PASS THE IMPELLER BLADES.
 3. MIN.OPENING REQUIRED IS 250MM AT THE VESSEL TOP TO PASS SHAFT & IMP.HUB.
 4. SHAFT DEFLECTION 1MM PER METER
 5. ALL WETTED PART HARDWARE ARE IN SS : 304 & NONWETTED ARE IN IS1367 B8.8

PAINTING SPECIFICATION :-
FOR NONWETTED PARTS, TWO COATS OF EPOXY RESIN BASED ZINC RICH PRIMER COMPATIBLE WITH SUBSEQUENT OVERCOAT OF EPOXY PAINT WILL BE APPLIED OF WHICH THE DRY FILM THICKNESS (DFT) WILL BE 25 MICRON (MIN.) PER COAT THE OVER COATING WILL BE DONE WITH TWO COATS OF EPOXY GLOSSY ENAMEL PAINT OF APPROVED SHADE, HAVING DFT 50 MICRON (MIN.) PER COAT AFTER THIS ONE COAT OF ACRYLIC POLYURETHANE CLEAR PAINT WILL BE APPLIED AS FINISHING COAT, HAVING MINIMUM DFT 35 MICRON (MIN.)

URANIUM CORPORATION OF INDIA LIMITED
A GOVT OF INDIA ENTERPRISE
TUMMALAPALLE PROJECT

DRAWN BY : M.RAMANJANEYULU	G.A. FOR AGITATOR ASSEMBLY
CHECKED BY :	RLGHQ--0.75
APPROVED BY : <i>[Signature]</i>	SDU SLURRY TAG.NO. :- 8AG/9A/B
DATE : 13.12.2017	REV NO. 00
	UCIL/TMPL/DWG/166